



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Ajay D. Khanna	Project Number J0412
Project Title Which Ages Best Understand Emojis?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of my project is to determine which ages best understand emojis.</p> <p>Methods/Materials Ten subjects from each of the age groups tested were asked about their exposure to emojis. Each subject was then shown a sample sentence composed solely of emojis and given the correct interpretation. Then each subject was tested on their ability to interpret four different sentences composed of emojis.</p> <p>Results The average correct emoji sentence interpretation score in the 18+ age group, 11 to 14 age group, 8 to 10 age group, and 5 to 7 age group are 82.5%, 80%, 57.5%, and 45% respectively. All age groups were exposed to emojis with the exception of the 5 to 7 age group where only 5 subjects had previous exposure. 100% of the 18+ age group and 11 to 14 age group had used emojis themselves, whereas only 40% of the 8 to 10 age group and none of the 5 to 7 age group had used emojis.</p> <p>Conclusions/Discussion Emojis are becoming a commonly used form of communication today with the increased use of electronic messaging. In this study, subjects ages 11 and up on average scored above 80% in correctly interpreting emoji sentences. I found that the more exposure an individual had to emojis, including using emojis themselves, the more likely they were to correctly interpret them. Subjects in the older age groups were better able to understand emojis likely due to their exposure to smart devices and computers. Hopefully, the understanding of emojis will one day improve communication among all ages and people with disabilities.</p>	
Summary Statement The goal of my project is to see which ages best understand emojis.	
Help Received Mother helped correct grammar and sentence structure.	